



Patent No. 6,793,486  
Request for Cert. of Correction dated February 2, 2005  
Attorney Docket No. 0028-011564

10/032803

Co. 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. : 6,793,486 Confirmation No. 7934  
Inventors : FINKE et al.  
Issued : September 21, 2004  
Title : Burner For Non-Symmetrical Combustion and Method  
Examiner : Josiah Cocks  
Customer No. : 28289

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT  
FOR PTO MISTAKE (37 C.F.R. 1.322(a))

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

ATTENTION: Decision and Certificate of Correction Branch  
Patent Issue Division

Sir:

In accordance with 35 U.S.C. §254, we attach hereto Form PTO/SB/44 and a copy of proof of PTO error(s) and request that a Certificate of Correction be issued in the above-identified patent. The following errors appear in the patent as printed:

Column 1, Line 7, after "August 29, 2001", insert -- now U.S. Patent No. 6,471,508, --

(See Examiner's Amendment accompanying the Notice of Allowance dated May 28, 2004, page 2.)

Column 9, Line 61, Claim 1, "share in the form" should read --shape in the form --  
(See Amendment dated December 23, 2003, page 2, Claim 1, Line 9.)

Respectfully submitted,

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By

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RECEIVED  
FEB 11 2005  
CERTIFICATES OF CORRECTION

FEB 16 2005

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 6,793,486  
DATED : September 21, 2004  
INVENTOR(S) : Finke et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1, Line 7, after "August 29, 2001", insert -- now U.S. Patent  
No. 6,471,508, --

Column 9, Line 61, Claim 1, "share in the form" should read --shape in the form --

{W0167100.1}

MAILING ADDRESS OF SENDER:

The Webb Law Firm  
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PATENT NO. 6,793,486

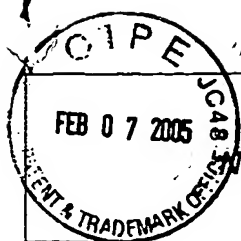
No. of additional copies



This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

FEB 16 2005



# Notice of Allowability

Application No.

10/032,803

Examiner

Josiah Cocks

Applicant(s)

FINKE ET AL

Art Unit

3749

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Terminal Disclaimer filed 4/26/2004.
2. ☒ The allowed claim(s) is/are 1-4 and 6-30.
3. ☒ The drawings filed on 12/28/2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

FEB 16 2005

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

#### **IN THE SPECIFICATION:**

On page 1, line 2, after "August 29, 2001," inserted --now U.S. Patent No. 6,471,508,--.

#### ***Terminal Disclaimer***

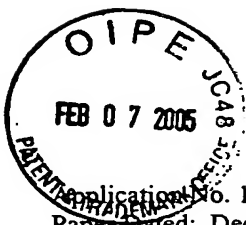
2. The terminal disclaimer filed on 4/26/2004 disclaiming the terminal portion of any patent granted on this application that would extend beyond the expiration date of U.S. Patent No. 6,471,508 has been reviewed and is accepted. The terminal disclaimer has been recorded.

#### ***Allowable Subject Matter***

3. Claims 1-4 and 6-30 are allowed.

#### ***USPTO Contact Information***

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Josiah Cocks whose telephone number is



Application No. 10/032,803  
Paper Dated: December 23, 2003  
In Reply to USPTO correspondence of September 23, 2003  
Attorney Docket No. 0028-011564

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/032,803  
Applicant : Harry P. FINKE  
Filed : December 28, 2001  
Title : Burner For Non-Symmetrical Combustion And Method  
Group Art Unit : 3743  
Examiner : Josiah Cocks

MAIL STOP Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT

Sir:

In response to the Office Action of September 23, 2003, please amend the above-identified application as follows:

**Amendments to the Claims** are reflected in the listing of claims, which begins on page 2 of this paper. Please cancel claim 5 and amend claims 1, 6, 15 and 26.

**Remarks** begin on page 8 of this paper.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on December 23, 2003.

Polly J. Moyles

(Name of Person Mailing Paper)

Signature

12/23/03  
Date

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### Listing of Claims

1. (Currently Amended) A burner for non-symmetrical combustion, comprising:

a burner housing enclosing a burner plenum;

5 a fuel conduit extending longitudinally within the housing and positioned coaxial with a line spaced from a central axis of the burner, with the fuel conduit defining a fuel exit opening;

10 a baffle defining an air conduit extending longitudinally within the housing, with the air conduit terminating in an air opening on an opposite side of the burner central axis from the fuel exit opening wherein the air conduit has a cross-sectional shape in the form of a segment of a circle defined by a chord and further wherein the entire cross-sectional area of the air opening is positioned on said opposite side of the burner axis;

at least one oxygen injection lance extending longitudinally within the housing and at least partially through the air conduit; and

a burner port block adjacent to the baffle and downstream of the air opening and in fluid communication with the fuel conduit and the air conduit.

2. (Original) The burner of claim 1, wherein the burner port block has a sidewall diverging downstream of the air opening.

3. (Original) The burner of claim 2, wherein the sidewall of the burner port block diverges at a flare angle of between approximately 2° and 30°.